FIG. 1

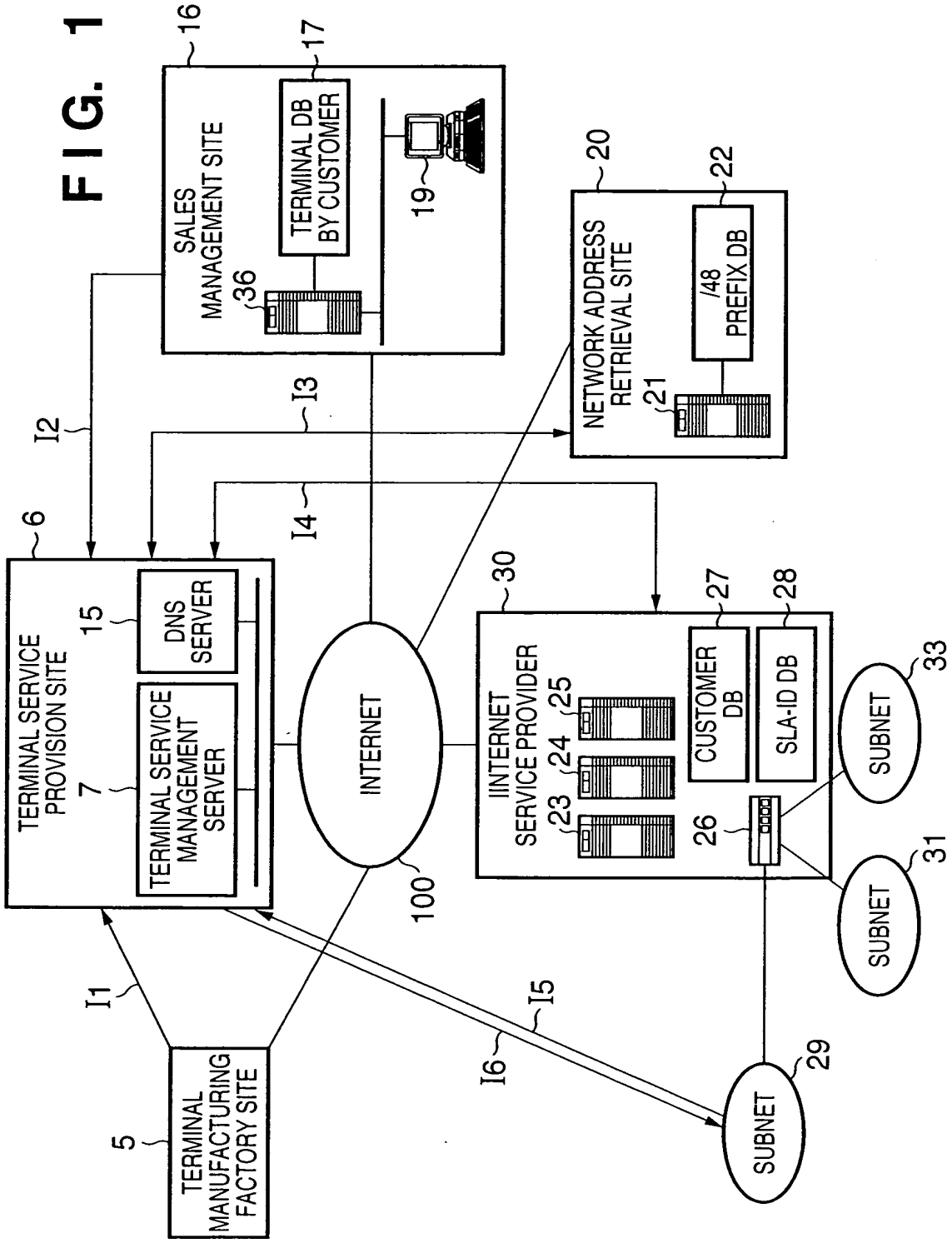

16
SALES MANAGEMENT SITE
17
TERMINAL DB BY CUSTOMER
19
36
20
NETWORK ADDRESS RETRIEVAL SITE
22
/48 PREFIX DB
21
I2
I3
I4
6
TERMINAL SERVICE PROVISION SITE
15
DNS SERVER
7
TERMINAL SERVICE MANAGEMENT SERVER
INTERNET
100
30
IINTERNET SERVICE PROVIDER
23
24
25
27
CUSTOMER DB
28
SLA-ID DB
26
33
SUBNET
31
SUBNET
29
SUBNET
I1
I5
I6
5
TERMINAL MANUFACTURING FACTORY SITE

FIG. 2

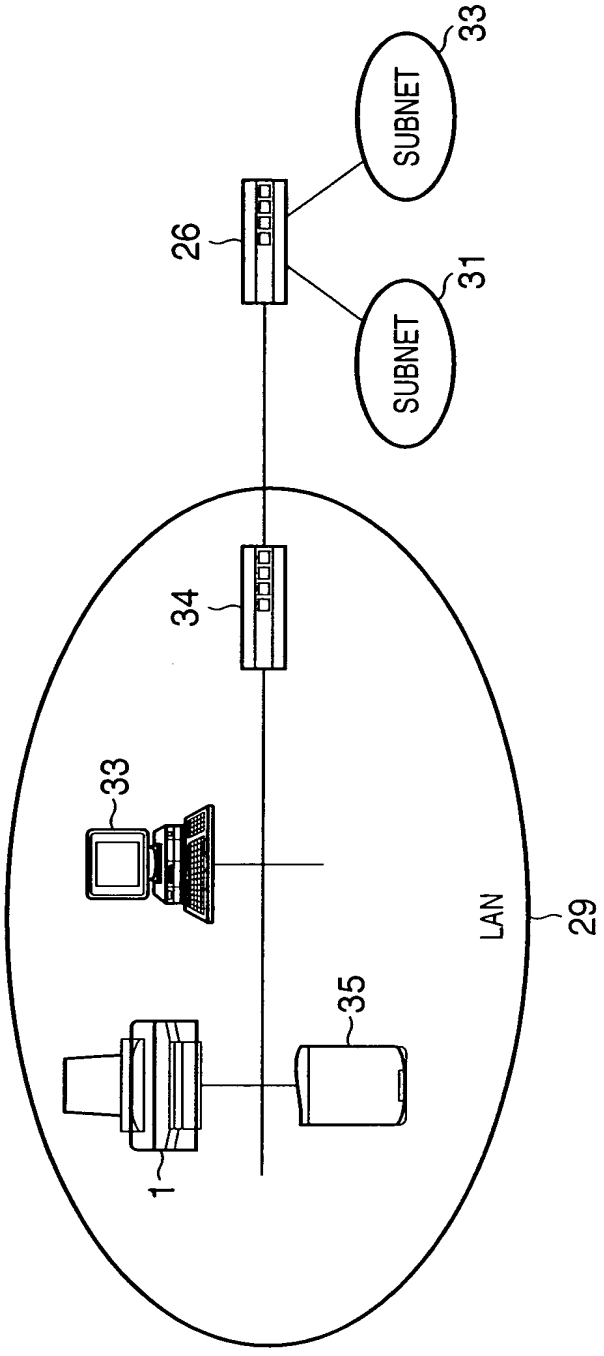


FIG. 3

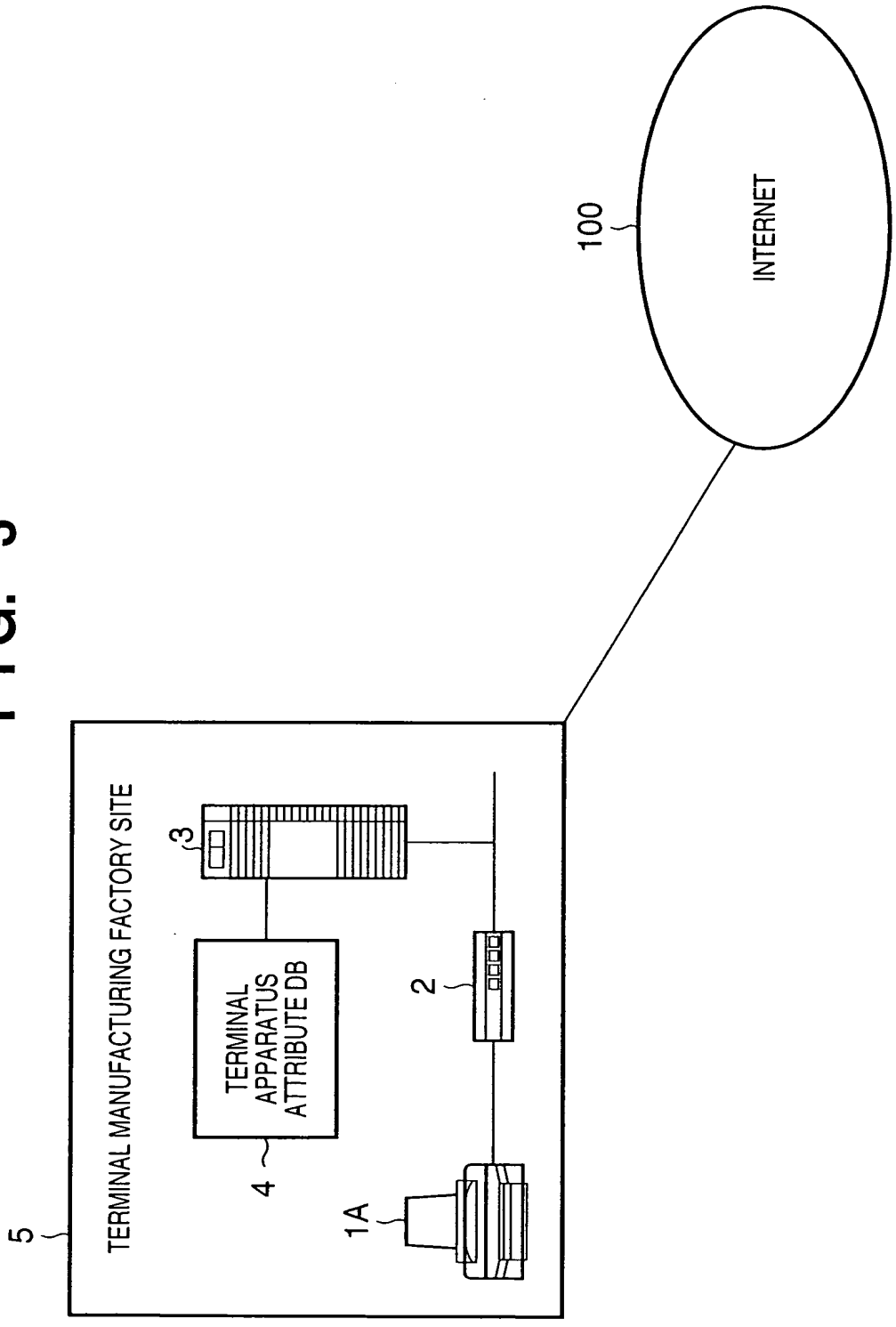

INTERNET
100
TERMINAL MANUFACTURING FACTORY SITE
5
3
TERMINAL APPARATUS ATTRIBUTE DB
4
2
1A

FIG. 4

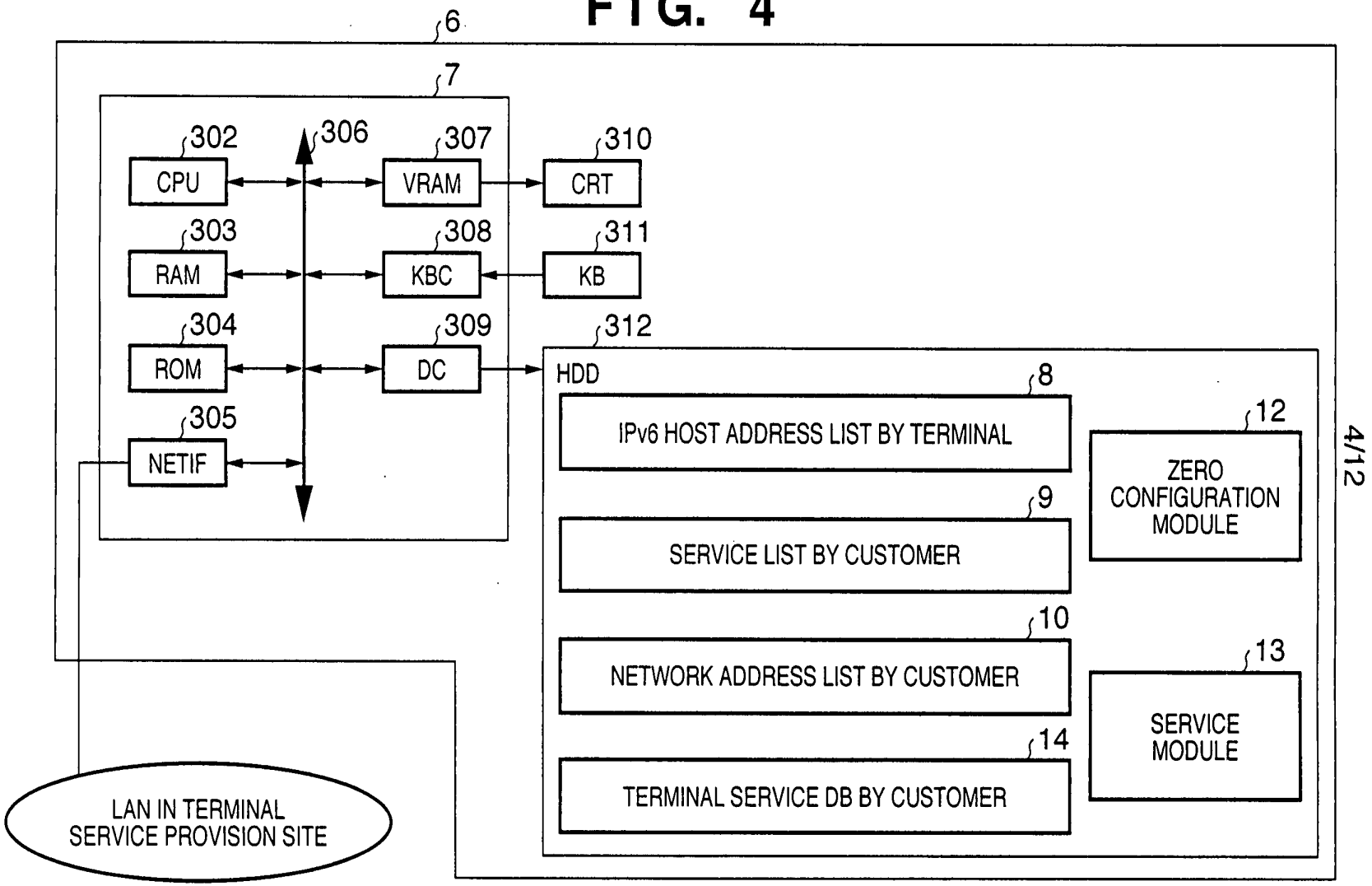
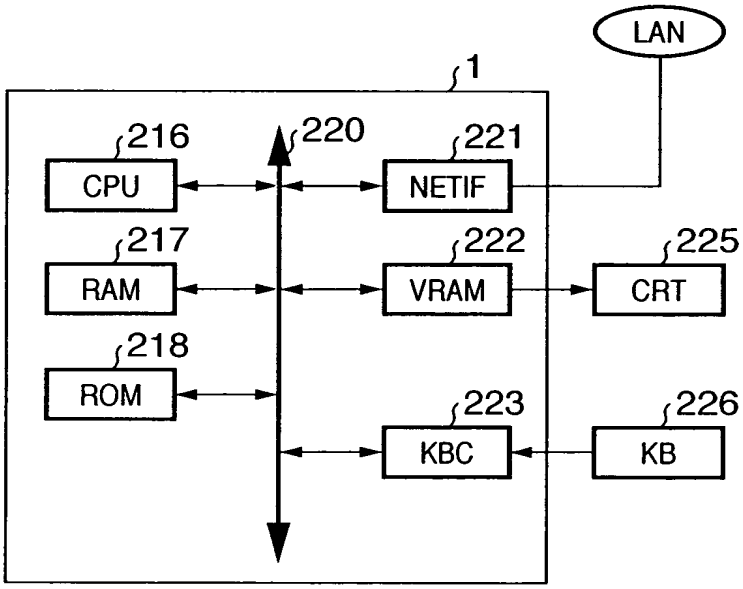

6
7
302
CPU
306
303
RAM
304
ROM
305
NETIF
307
VRAM
308
KBC
309
DC
310
CRT
311
KB
312
HDD
8
IPv6 HOST ADDRESS LIST BY TERMINAL
9
SERVICE LIST BY CUSTOMER
10
NETWORK ADDRESS LIST BY CUSTOMER
14
TERMINAL SERVICE DB BY CUSTOMER
12
ZERO CONFIGURATION MODULE
13
SERVICE MODULE
LAN IN TERMINAL SERVICE PROVISION SITE

FIG. 5


LAN
1
216
CPU
220
221
NETIF
217
RAM
222
VRAM
225
CRT
218
ROM
223
KBC
226
KB

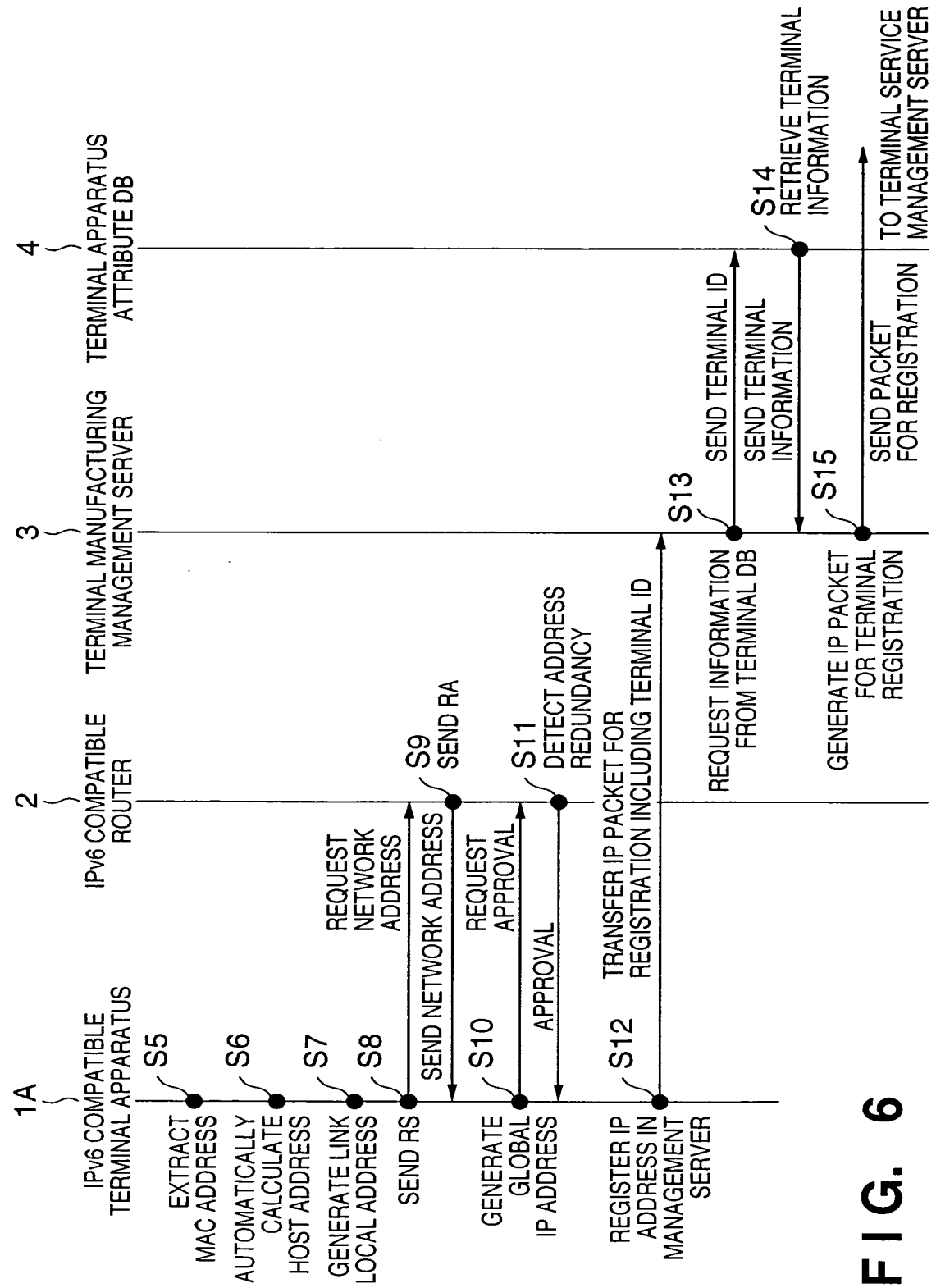
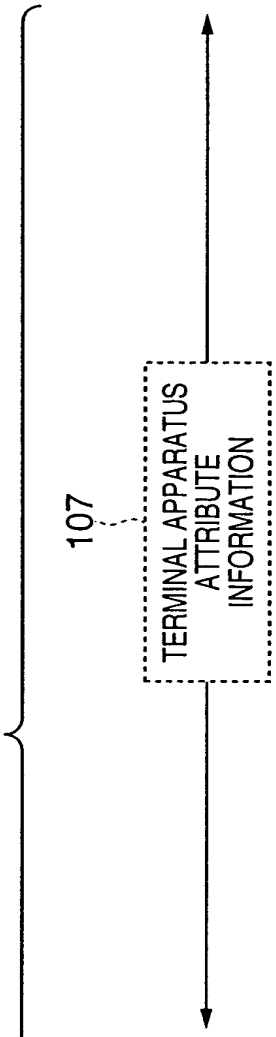

1A
IPv6 COMPATIBLE TERMINAL APPARATUS
2
IPv6 COMPATIBLE ROUTER
3
TERMINAL MANUFACTURING MANAGEMENT SERVER
4
TERMINAL APPARATUS ATTRIBUTE DB
S5
EXTRACT MAC ADDRESS
S6
AUTOMATICALLY CALCULATE HOST ADDRESS
S7
GENERATE LINK LOCAL ADDRESS
S8
SEND RS
REQUEST NETWORK ADDRESS
S9
SEND RA
SEND NETWORK ADDRESS
S10
GENERATE GLOBAL IP ADDRESS
REQUEST APPROVAL
S11
DETECT ADDRESS REDUNDANCY
APPROVAL
S12
REGISTER IP ADDRESS IN MANAGEMENT SERVER
TRANSFER IP PACKET FOR REGISTRATION INCLUDING TERMINAL ID
S13
REQUEST INFORMATION FROM TERMINAL DB
SEND TERMINAL ID
S14
RETRIEVE TERMINAL INFORMATION
SEND TERMINAL INFORMATION
S15
GENERATE IP PACKET FOR TERMINAL REGISTRATION
SEND PACKET FOR REGISTRATION
TO TERMINAL SERVICE MANAGEMENT SERVER

FIG. 6

FIG. 7



100 TERMINAL ID	101 HOST ADDRESS	102 TYPE	103 MODEL	104 DATE OF MANUFACTURE	105 INITIAL SETTING PARAMETER	106 VALID SERVICE LIST
A1	5678:9abc:def0:7777	PRINTER 1	BHA	H13. 09. 13	PA1	AS1
B3	ab94:0000:8a10:aaaa	COMBINATION APPARATUS 1	iRC	H13. 10. 07	PA2	AS3
C5	8a5b:9cc9:1100:0d7f	CAMERA 1	DGC	H12. 12. 07	PA100	AS9

FIG. 8

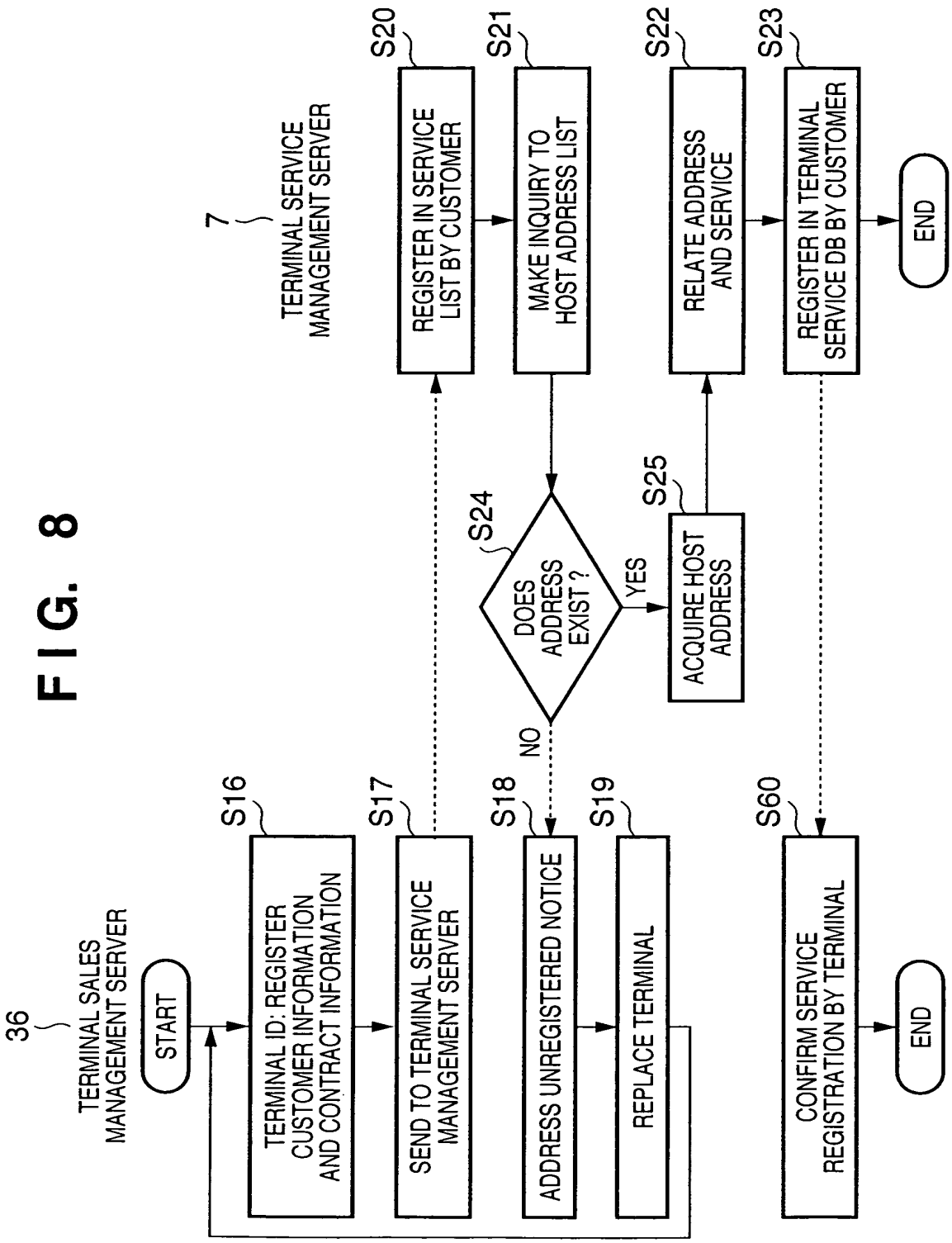

36
TERMINAL SALES MANAGEMENT SERVER
START
S16
TERMINAL ID: REGISTER CUSTOMER INFORMATION AND CONTRACT INFORMATION
S17
SEND TO TERMINAL SERVICE MANAGEMENT SERVER
S18
ADDRESS UNREGISTERED NOTICE
S19
REPLACE TERMINAL
S24
DOES ADDRESS EXIST ?
NO
YES
S25
ACQUIRE HOST ADDRESS
7
TERMINAL SERVICE MANAGEMENT SERVER
S20
REGISTER IN SERVICE LIST BY CUSTOMER
S21
MAKE INQUIRY TO HOST ADDRESS LIST
S22
RELATE ADDRESS AND SERVICE
S23
REGISTER IN TERMINAL SERVICE DB BY CUSTOMER
END
S60
CONFIRM SERVICE REGISTRATION BY TERMINAL
END

FIG. 9

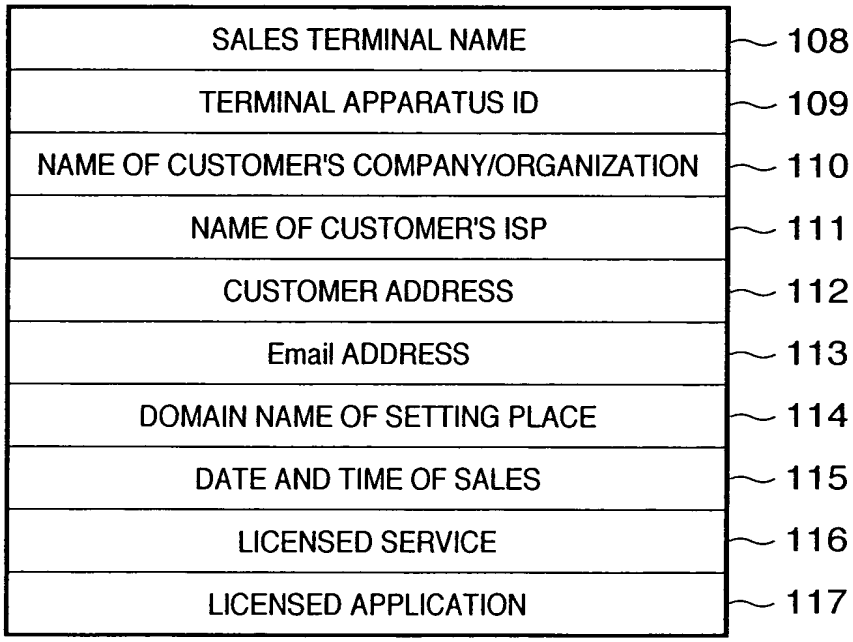

SALES TERMINAL NAME
108
TERMINAL APPARATUS ID
109
NAME OF CUSTOMER'S COMPANY/ORGANIZATION
110
NAME OF CUSTOMER'S ISP
111
CUSTOMER ADDRESS
112
Email ADDRESS
113
DOMAIN NAME OF SETTING PLACE
114
DATE AND TIME OF SALES
115
LICENSED SERVICE
116
LICENSED APPLICATION
117

FIG. 10

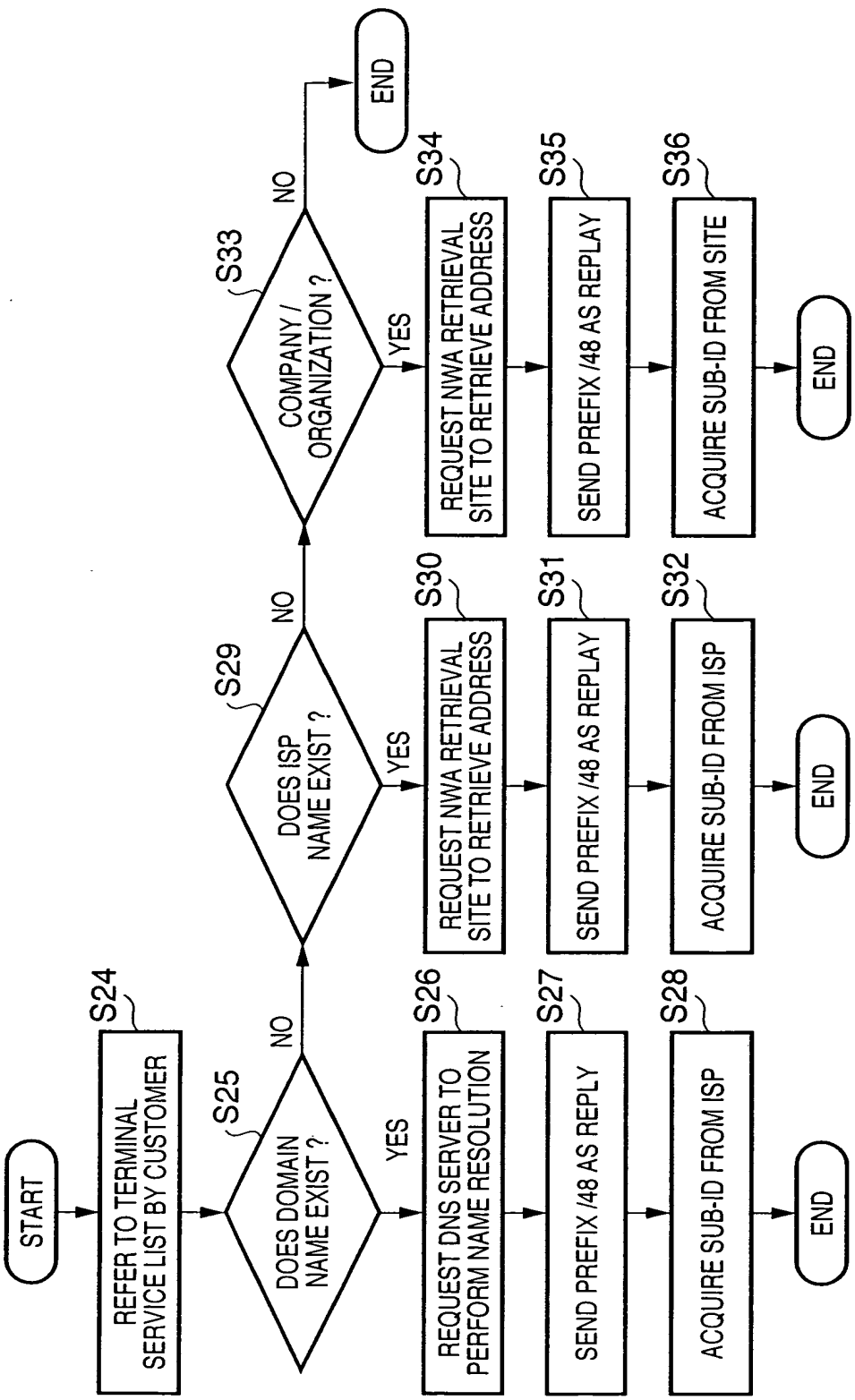

START
REFER TO TERMINAL SERVICE LIST BY CUSTOMER
S24
DOES DOMAIN NAME EXIST ?
S25
YES
NO
REQUEST DNS SERVER TO PERFORM NAME RESOLUTION
S26
SEND PREFIX /48 AS REPLY
S27
ACQUIRE SUB-ID FROM ISP
S28
END
DOES ISP NAME EXIST ?
S29
YES
NO
REQUEST NWA RETRIEVAL SITE TO RETRIEVE ADDRESS
S30
SEND PREFIX /48 AS REPLAY
S31
ACQUIRE SUB-ID FROM ISP
S32
END
COMPANY / ORGANIZATION ?
S33
YES
NO
REQUEST NWA RETRIEVAL SITE TO RETRIEVE ADDRESS
S34
SEND PREFIX /48 AS REPLAY
S35
ACQUIRE SUB-ID FROM SITE
S36
END
END

FIG. 11

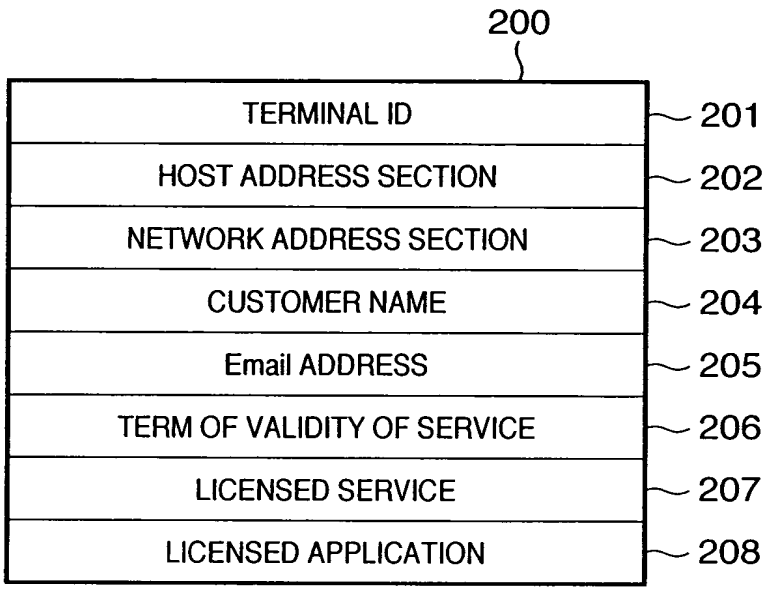
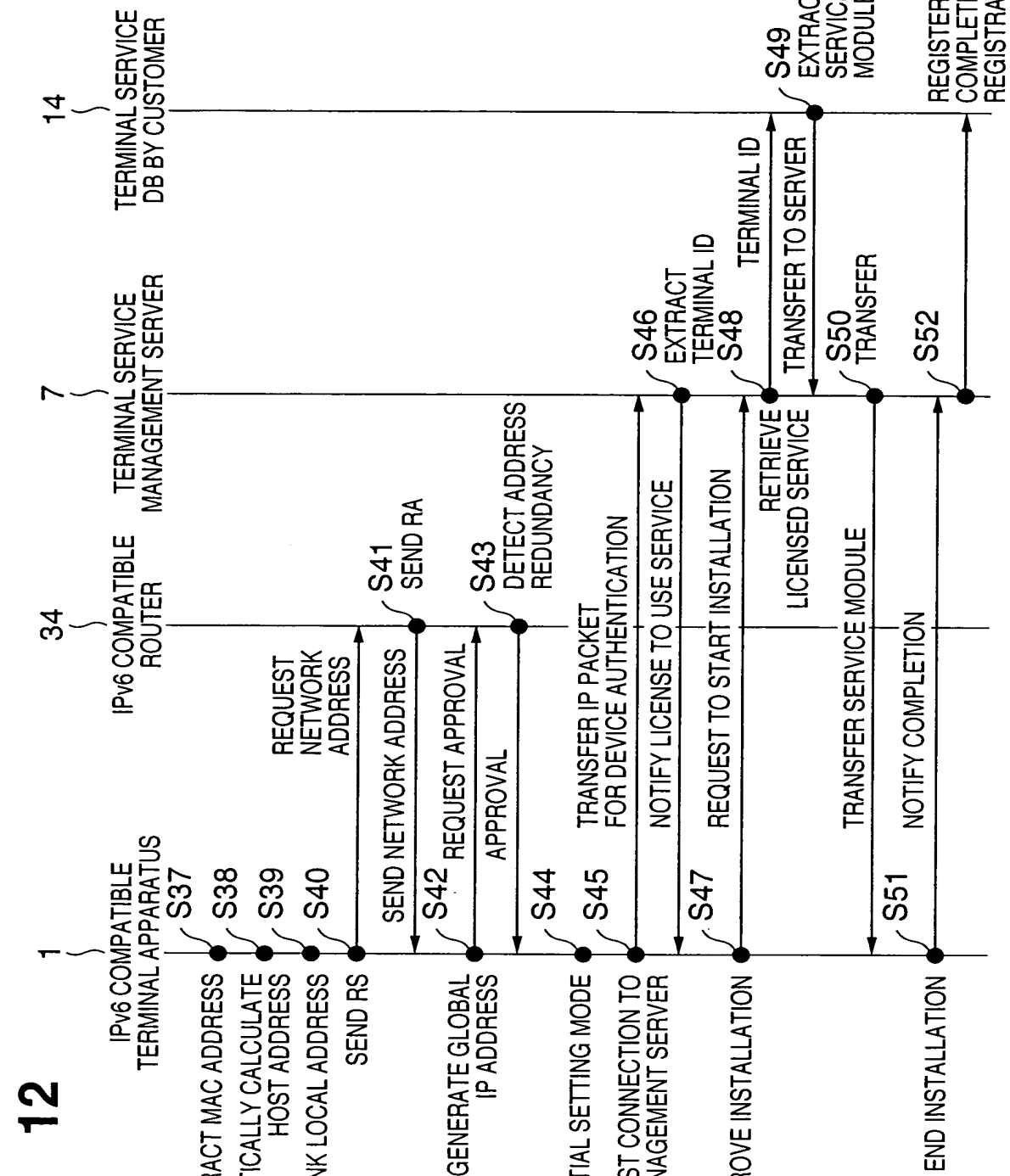

200
TERMINAL ID
201
HOST ADDRESS SECTION
202
NETWORK ADDRESS SECTION
203
CUSTOMER NAME
204
Email ADDRESS
205
TERM OF VALIDITY OF SERVICE
206
LICENSED SERVICE
207
LICENSED APPLICATION
208

FIG. 12


1
IPv6 COMPATIBLE TERMINAL APPARATUS
34
IPv6 COMPATIBLE ROUTER
7
TERMINAL SERVICE MANAGEMENT SERVER
14
TERMINAL SERVICE DB BY CUSTOMER
S37 EXTRACT MAC ADDRESS
S38 AUTOMATICALLY CALCULATE HOST ADDRESS
S39 GENERATE LINK LOCAL ADDRESS
S40 SEND RS
REQUEST NETWORK ADDRESS
S41 SEND RA
SEND NETWORK ADDRESS
S42 REQUEST APPROVAL
S43 DETECT ADDRESS REDUNDANCY
APPROVAL
GENERATE GLOBAL IP ADDRESS
S44
S45 START UP INITIAL SETTING MODE
TRANSFER IP PACKET FOR DEVICE AUTHENTICATION
S46 EXTRACT TERMINAL ID
REQUEST CONNECTION TO MANAGEMENT SERVER
NOTIFY LICENSE TO USE SERVICE
S47
S48 TERMINAL ID
APPROVE INSTALLATION
REQUEST TO START INSTALLATION
RETRIEVE LICENSED SERVICE
S49 EXTRACT SERVICE MODULE
TRANSFER TO SERVER
S50 TRANSFER
TRANSFER SERVICE MODULE
S51
S52
END INSTALLATION
NOTIFY COMPLETION
REGISTER COMPLETION IN DB REGISTRATION